

PENNSYLVANIA

SHALE GAS CAN LEAD TO NEW INVESTMENT,
JOBS, WAGES AND TAX REVENUE
FOR PENNSYLVANIA



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.



A **\$3.2 BILLION** investment in an ethylene production complex in Pennsylvania

will generate a total of **\$4.8 BILLION** in additional chemical industry output, bringing the state's industry revenues to more than **\$29 BILLION** and making it the country's **7th largest chemical producing state**.



In Pennsylvania more than **17,000 permanent jobs** will be created in the chemical

industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.

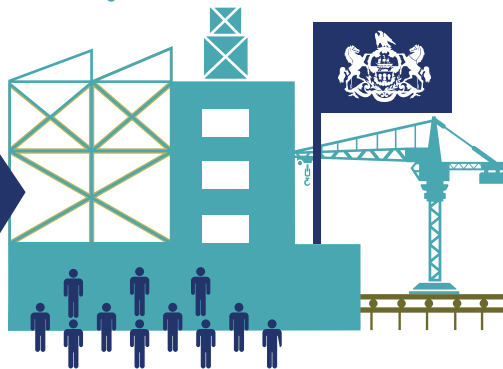


More than **\$1.2 BILLION** in wages will go into the pockets of Pennsylvania

workers, generating more than **\$140 MILLION** in state tax revenue and more than **\$240 MILLION** in federal revenue.

INVESTMENT PHASE

(building the facility)



\$1.7 billion industry revenue
 \$42 million in Pennsylvania tax revenue

11,000 American jobs
 \$627 million in worker wages

OPERATION PHASE

(ongoing production)



\$7.9 billion in industry revenue
 \$140 million in Pennsylvania tax revenue

17,000 American jobs
 \$1.2 billion in worker wages

WHY PENNSYLVANIA?



\$24 billion in revenue

and nearly **44,000** Pennsylvania jobs

considerable shale **gas** deposits



access to the **Great Lakes**



within **500 miles** of U.S. industrial base



excellent **universities**



major **rail** systems



OHIO

SHALE GAS CAN LEAD TO NEW INVESTMENT,
JOBS, WAGES AND TAX REVENUE FOR OHIO



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.



A **\$3.2 BILLION** investment in an ethylene production complex in Ohio will generate a total of **\$4.8 BILLION** in additional chemical industry output, bringing the state's industry revenues to more than **\$33 BILLION** and maintaining it as the country's **7th largest chemical producing state**.



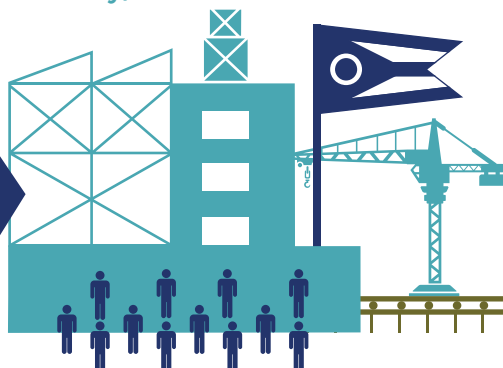
In Ohio, more than **17,000 permanent jobs** will be created in the chemical industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.



More than **\$1 BILLION** in wages will go into the pockets of Ohio workers, generating nearly **\$169 MILLION** in state tax revenue and more than **\$200 MILLION** in federal revenue.

INVESTMENT PHASE

(building the facility)



\$1.6 billion
industry revenue



12,000
American jobs



\$58 million
in Ohio tax revenue



\$575 million
in worker wages

OPERATION PHASE

(ongoing production)



\$7.5 billion
in industry revenue



17,000
American jobs



\$169 million
in Ohio tax revenue



\$1 billion
in worker wages

WHY OHIO?



\$28 billion
in revenue



and more than
42,000
Ohio jobs

considerable shale gas deposits



access to the Great Lakes



within 500 miles of U.S. industrial base



excellent universities



major rail systems



WEST VIRGINIA

SHALE GAS CAN LEAD TO NEW INVESTMENT,
JOBS, WAGES AND TAX REVENUE FOR WEST VIRGINIA



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.



A **\$3.2 BILLION** investment in an ethylene production complex in West Virginia will generate a total of **\$4.8 BILLION** in additional chemical industry output, bringing the state's industry revenues to more than **\$13 BILLION** and making it the country's **13th largest chemical producing state**.



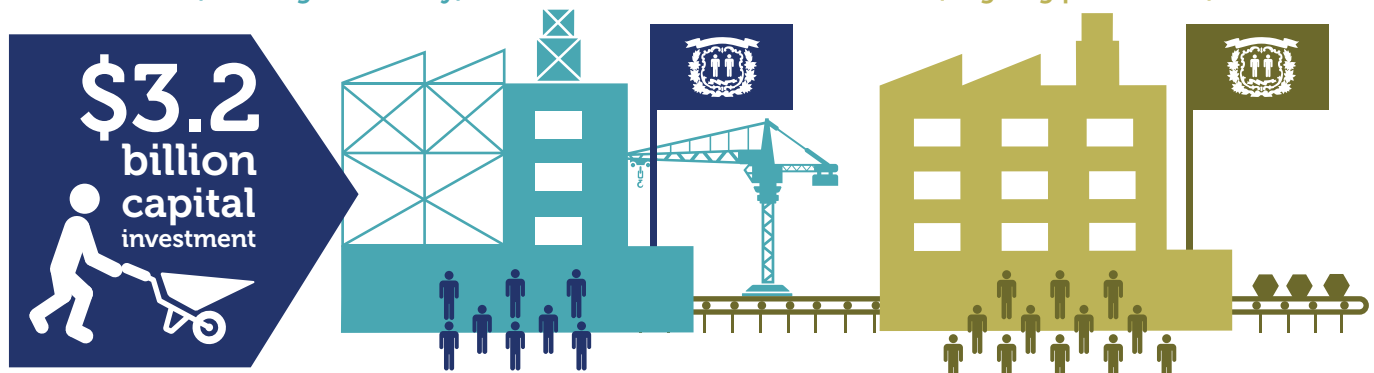
In West Virginia, more than **12,000 permanent jobs** will be created in the chemical industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.



More than **\$729 MILLION** in wages will go into the pockets of West Virginia workers, generating nearly **\$95 MILLION** in state tax revenue and **\$139 MILLION** in federal revenue.

INVESTMENT PHASE

(building the facility)



\$949 million
industry revenue

\$15 million
in West Virginia
tax revenue

8,000
American jobs

\$363 million
in worker wages

OPERATION PHASE

(ongoing production)

\$7 billion
in industry revenue

\$95 million
in West Virginia
tax revenue

12,000
American jobs

\$729 million
in worker wages

WHY WEST VIRGINIA?



ARKANSAS

SHALE GAS CAN LEAD TO NEW INVESTMENT, JOBS, WAGES AND TAX REVENUE FOR ARKANSAS



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.



A **\$3.2 BILLION** investment in an ethylene production complex in Arkansas will generate a total of **\$4.8 BILLION** in additional chemical industry output, bringing the state's industry revenues to more than **\$7.0 BILLION** and making it the country's **25th largest chemical producing state**.



In Arkansas, nearly **13,000 permanent jobs** will be created in the chemical industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.



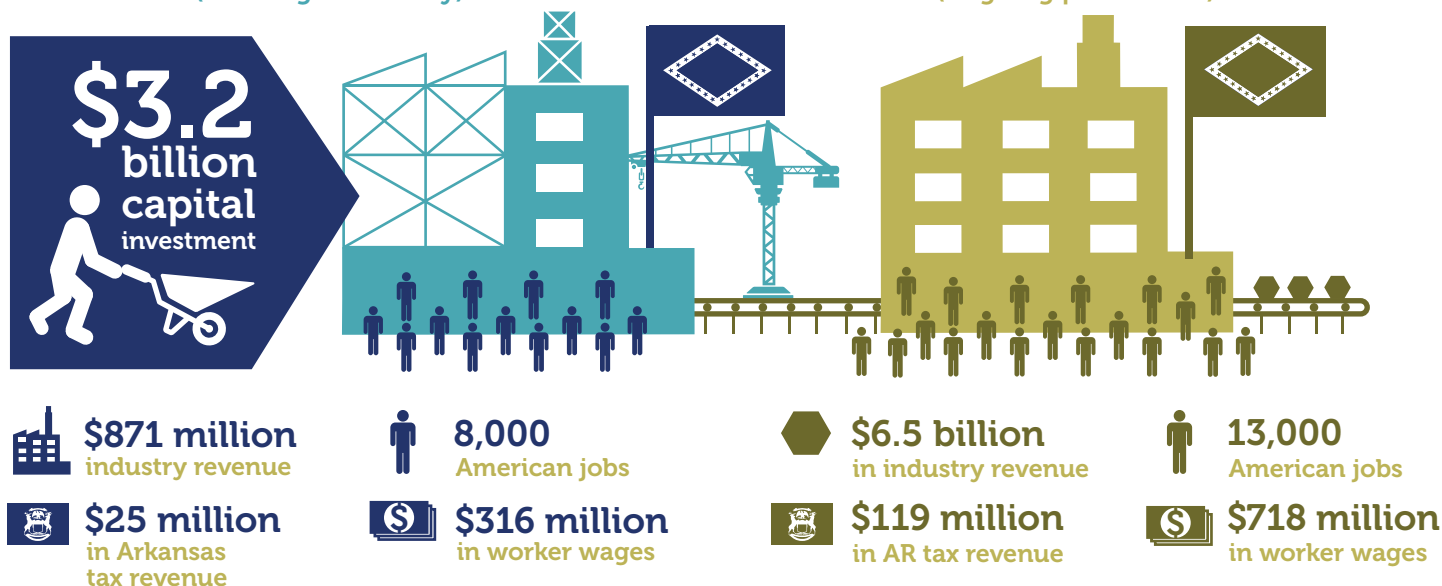
\$718 MILLION in wages will go into the pockets of Arkansas workers, generating more than **\$119 MILLION** in state tax revenue and more than **\$137 MILLION** in federal revenue.

INVESTMENT PHASE

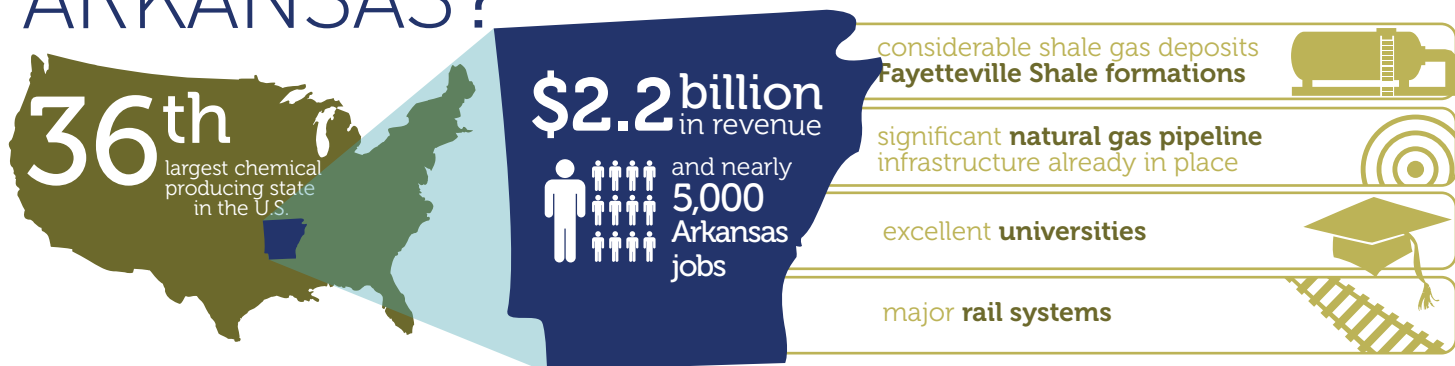
(building the facility)

OPERATION PHASE

(ongoing production)



WHY ARKANSAS?



LOUISIANA

SHALE GAS CAN LEAD TO NEW INVESTMENT,
JOBS, WAGES AND TAX REVENUE FOR LOUISIANA



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.



A **\$5.4 BILLION** investment in expanded ethylene production capacity in

Louisiana will generate a total of **\$10.9 BILLION** in additional chemical industry output, bringing the state's industry revenues to **\$56.9 BILLION** and maintaining it as the country's **2nd largest chemical producing state**.



In Louisiana, more than **35,000 permanent jobs** will be created in the chemical

industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.

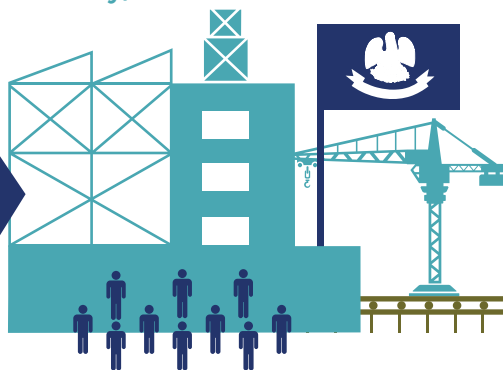


More than **\$2.3 BILLION** in wages will go into the pockets of Louisiana

workers, generating **\$399 MILLION** in state tax revenue and nearly **\$440 MILLION** in federal revenue.

INVESTMENT PHASE

(building the facility)



\$2 billion industry revenue



\$60 million in Louisiana tax revenue



16,000 American jobs



\$758 million in worker wages

OPERATION PHASE

(ongoing production)



\$19.2 billion in industry revenue



\$399 million in Louisiana tax revenue



35,000 American jobs



\$2.3 billion in worker wages

WHY LOUISIANA?



\$46 billion in revenue

and nearly **23,000** Louisiana jobs

access to deep water coastal ports



significant petrochemicals infrastructure



excellent universities



considerable shale gas deposits



MICHIGAN

SHALE GAS CAN LEAD TO NEW INVESTMENT, JOBS, WAGES AND TAX REVENUE FOR MICHIGAN



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.



A **\$3.2 BILLION** investment in an ethylene production complex in Michigan will generate a total of **\$4.8 BILLION** in additional chemical industry output, bringing the state's industry revenues to more than **\$17 BILLION** and making it the country's **11th largest chemical producing state**.



In Michigan, more than **19,000 permanent jobs** will be created in the chemical industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.



Nearly **\$1.2 BILLION** in wages will go into the pockets of Michigan workers, generating more than **\$162 MILLION** in state tax revenue and more than **\$226 MILLION** in federal revenue.

INVESTMENT PHASE

(building the facility)



\$1.9 billion industry revenue

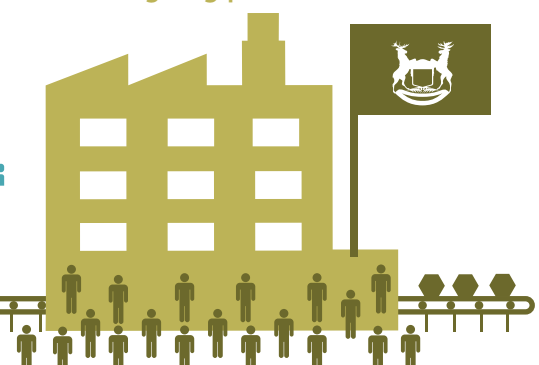
13,000 American jobs

\$55 million in Michigan tax revenue

\$649 million in worker wages

OPERATION PHASE

(ongoing production)



\$8.2 billion in industry revenue

19,000 American jobs

\$162 million in MI tax revenue

\$1.2 billion in worker wages

WHY MICHIGAN?



access to natural gas pipeline from Marcellus Shale to Sarnia, Ontario



access to the Great Lakes



within **500 miles** of U.S. industrial base



excellent universities



major rail systems



NEW JERSEY

SHALE GAS CAN LEAD TO NEW INVESTMENT,
JOBS, WAGES AND TAX REVENUE FOR NEW JERSEY



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.



A **\$3.5 BILLION** investment in an ethylene production complex in New Jersey will generate a total of **\$4.8 BILLION** in additional chemical industry output, bringing the state's industry revenues to more than **\$30 BILLION** and making it the country's **7th largest chemical producing state**.



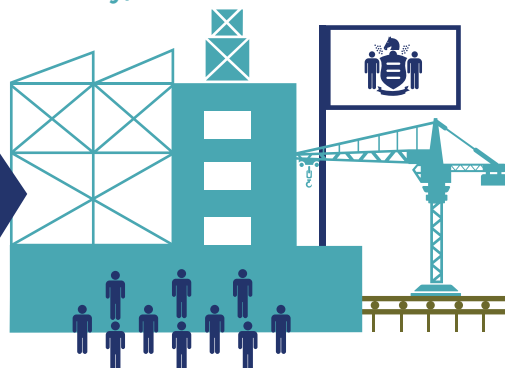
In New Jersey, more than **16,000 permanent jobs** will be created in the chemical industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.



Nearly **\$1.3 BILLION** in wages will go into the pockets of New Jersey workers, generating **\$181 MILLION** in state tax revenue and **\$281 MILLION** in federal revenue.

INVESTMENT PHASE

(building the facility)



\$1.7 billion
industry revenue



\$50 million
in New Jersey
tax revenue



10,000
American jobs



\$662 million
in worker wages

OPERATION PHASE

(ongoing production)



\$8.8 billion
in industry revenue



\$181 million
in New Jersey
tax revenue



16,000
American jobs



\$1.3 billion
in worker wages

WHY NEW JERSEY?



\$26 billion
in revenue



and more than
57,000
New Jersey
jobs

long standing history with
petrochemicals



deep water ports



excellent universities



NEW YORK

SHALE GAS CAN LEAD TO NEW INVESTMENT,
JOBS, WAGES AND TAX REVENUE FOR NEW YORK



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.



A **\$3.1 BILLION** investment in an ethylene production complex in New York will generate a total of **\$4.8 BILLION** in additional chemical industry output, bringing the state's industry revenues to more than **\$42.6 BILLION** and maintaining it as the country's **5th largest chemical producing state**.



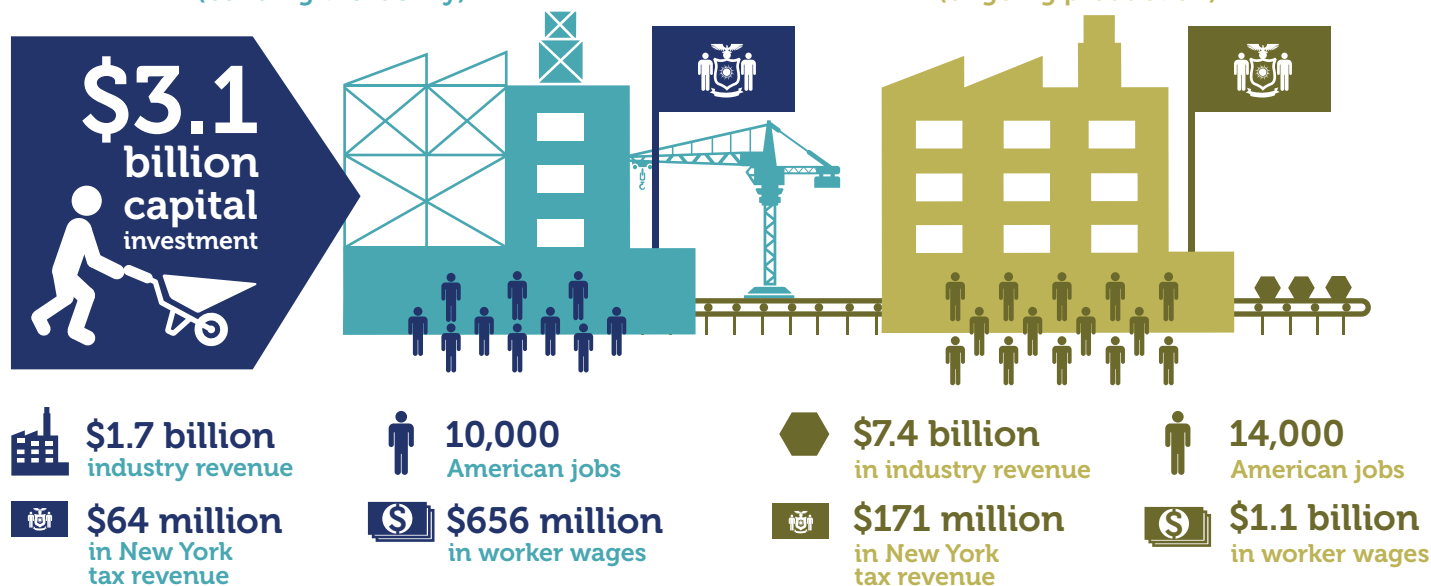
In New York, more than **14,000 permanent jobs** will be created in the chemical industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.



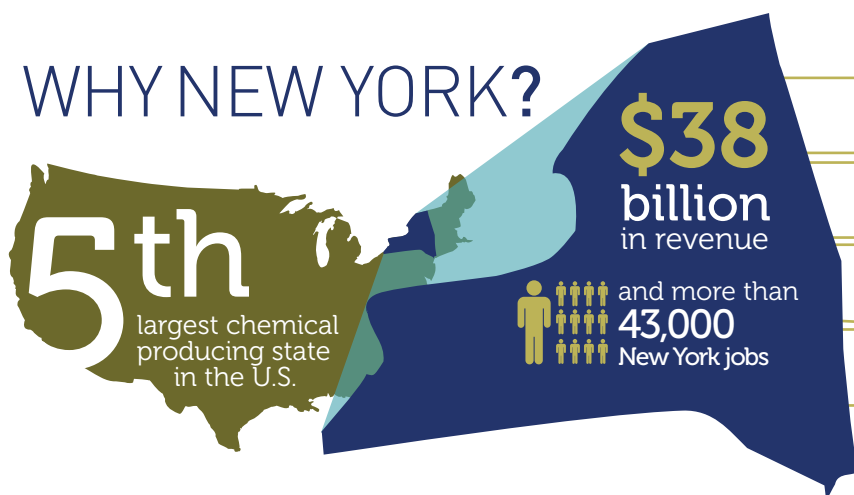
More than **\$1 BILLION** in wages will go into the pockets of New York workers, generating more than **\$171 MILLION** in state tax revenue and nearly **\$225 MILLION** in federal revenue.

INVESTMENT PHASE

(building the facility)



WHY NEW YORK?



considerable shale gas deposits



access to the Great Lakes



access to deep water coastal ports



excellent universities



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.



An **\$8.5 BILLION** investment in new and existing ethylene production infrastructure in Texas will generate a total of **\$18.2 BILLION** in additional chemical industry output, bringing the state's industry revenues to more than **\$123 BILLION**, maintaining it as the country's largest chemical producing state.



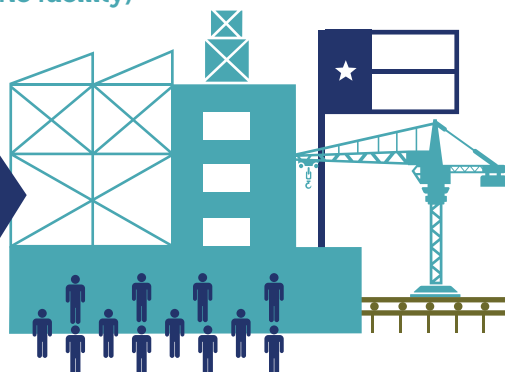
In Texas, more than **81,000 permanent jobs** will be created in the chemical industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.



More than **\$5.5 BILLION** in wages will go into the pockets of Texas workers, generating **\$779 MILLION** in state tax revenue and more than **\$1 BILLION** in federal revenue.

INVESTMENT PHASE

(building the facility)



\$7 billion
industry revenue

\$176 million
in Texas tax revenue

43,000
American jobs

\$2.2 billion
in worker wages

OPERATION PHASE

(ongoing production)



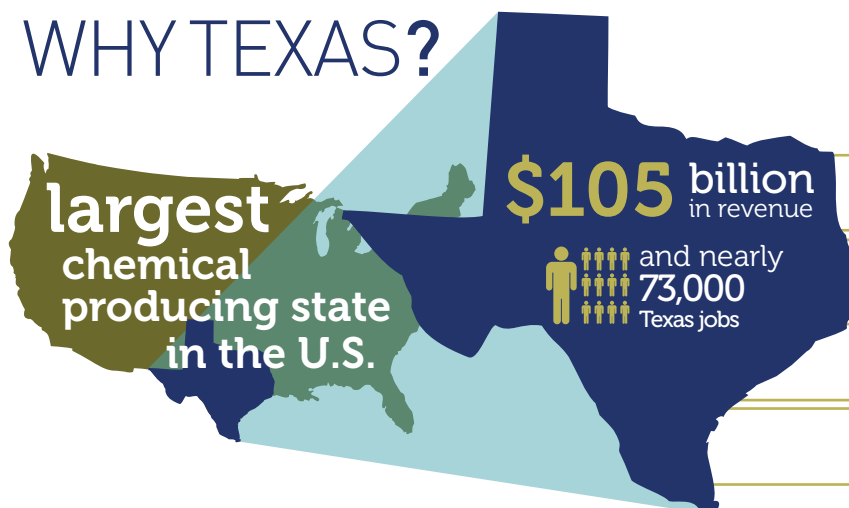
\$37 billion
in industry revenue

\$779 million
in Texas tax revenue

81,000
American jobs

\$5.5 billion
in worker wages

WHY TEXAS?



considerable shale gas deposits



access to deep water coastal ports



excellent universities



significant petrochemicals infrastructure

